

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042919\  
 Data File : VD062076.D  
 Acq On : 29 Apr 2019 21:33  
 Operator : FY/SY  
 Sample : K2194-15  
 Misc : 6.30qm/5mL/MSVOA D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Apr 30 01:13:05 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D042319S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 23 14:52:55 2019  
 Response via : Initial Calibration

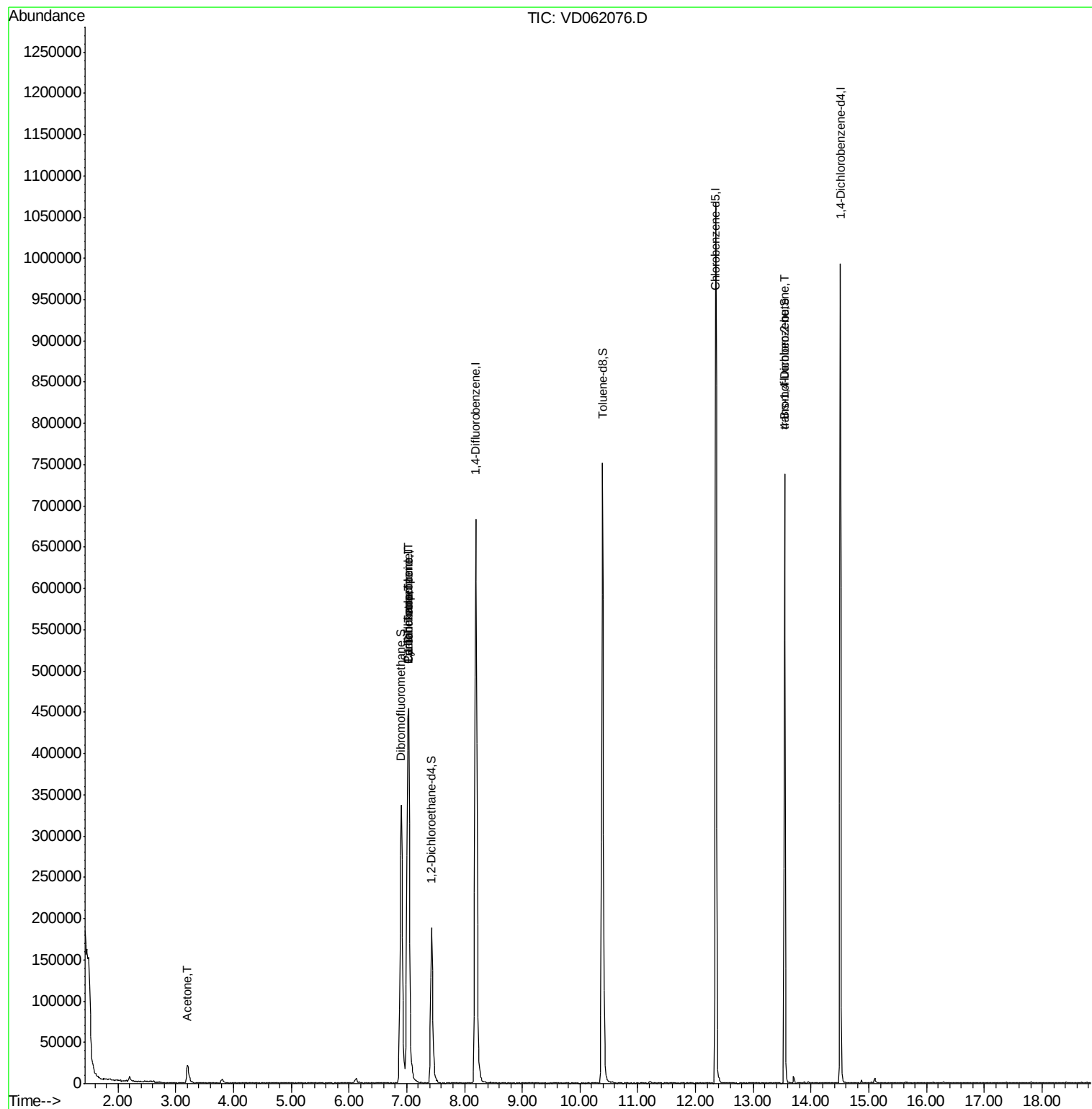
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.03  | 168  | 511688   | 50.00     | ug/l    | -0.02    |
| 34) 1,4-Difluorobenzene        | 8.19  | 114  | 815328   | 50.00     | ug/l    | -0.03    |
| 63) Chlorobenzene-d5           | 12.35 | 117  | 628765   | 50.00     | ug/l    | -0.02    |
| 72) 1,4-Dichlorobenzene-d4     | 14.50 | 152  | 217153   | 50.00     | ug/l    | -0.02    |
| System Monitoring Compounds    |       |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 7.43  | 65   | 201755   | 50.38     | ug/l    | -0.03    |
| Spiked Amount 50.000           |       |      | Recovery | =         | 100.76% |          |
| 35) Dibromofluoromethane       | 6.90  | 113  | 306077   | 54.28     | ug/l    | -0.03    |
| Spiked Amount 50.000           |       |      | Recovery | =         | 108.56% |          |
| 50) Toluene-d8                 | 10.39 | 98   | 646804   | 48.21     | ug/l    | -0.03    |
| Spiked Amount 50.000           |       |      | Recovery | =         | 96.42%  |          |
| 62) 4-Bromofluorobenzene       | 13.54 | 95   | 219707   | 40.83     | ug/l    | -0.02    |
| Spiked Amount 50.000           |       |      | Recovery | =         | 81.66%  |          |
| Target Compounds               |       |      |          |           |         |          |
|                                |       |      |          |           | Qvalue  |          |
| 5) Bromomethane                | 2.14  | 94   | 407      | Below Cal | #       | 12       |
| 16) Acetone                    | 3.20  | 43   | 44423    | 46.457    | ug/l    | 93       |
| 18) Methyl Acetate             | 3.64  | 43   | 867      | Below Cal | #       | 53       |
| 20) Methylene Chloride         | 3.80  | 84   | 4163     | Below Cal | #       | 77       |
| 31) Cyclohexane                | 7.03  | 56   | 8193     | 1.373     | ug/l    | # 1      |
| 36) 1,1-Dichloropropene        | 7.03  | 75   | 37965    | 5.977     | ug/l    | # 47     |
| 38) Carbon Tetrachloride       | 7.02  | 117  | 49805    | 6.187     | ug/l    | # 15     |
| 81) trans-1,4-Dichloro-2-buten | 13.54 | 75   | 84889    | 101.586   | ug/l    | # 16     |

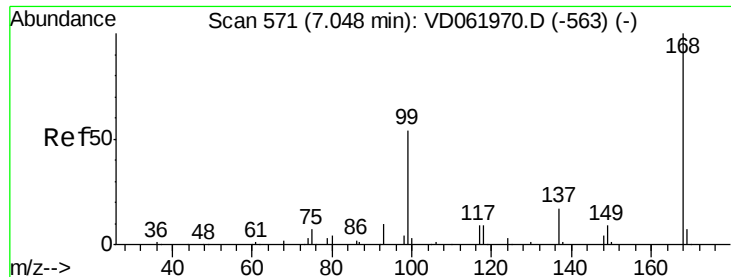
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042919\  
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Operator : FY/SY  
Sample : K2194-15  
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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Apr 30 01:13:05 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D042319S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 23 14:52:55 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD062076.D

Acq: 29 Apr 2019 21:33

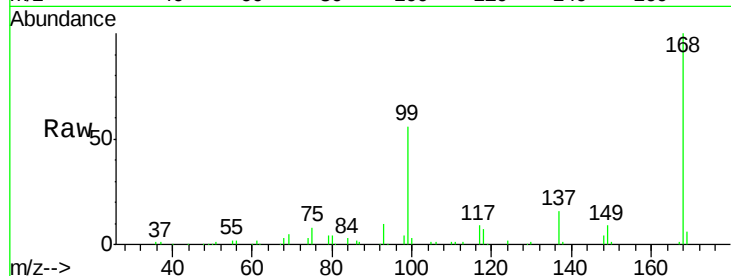
Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:168 Resp: 511688

Ion Ratio Lower Upper

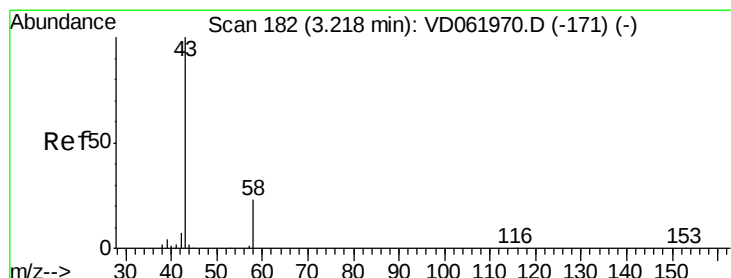
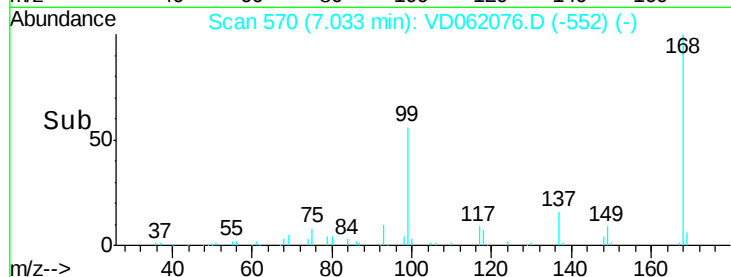
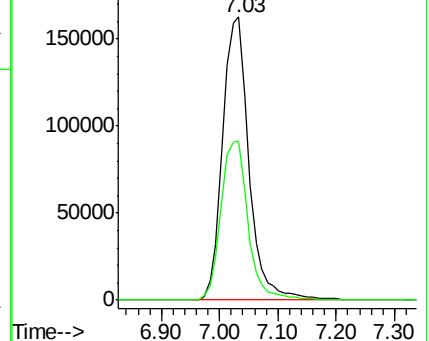
168 100

99 56.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 46.457 ug/l

RT: 3.20 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062076.D

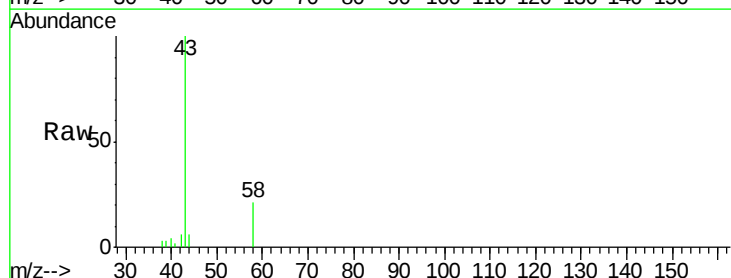
Acq: 29 Apr 2019 21:33

Tgt Ion: 43 Resp: 44423

Ion Ratio Lower Upper

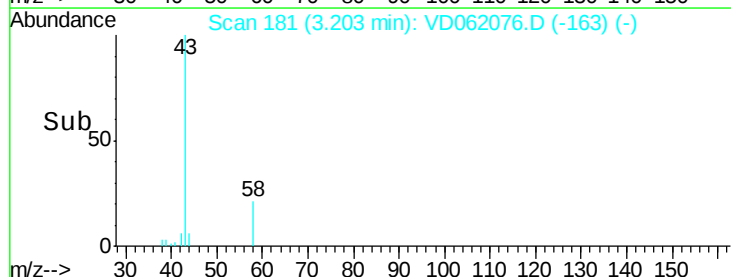
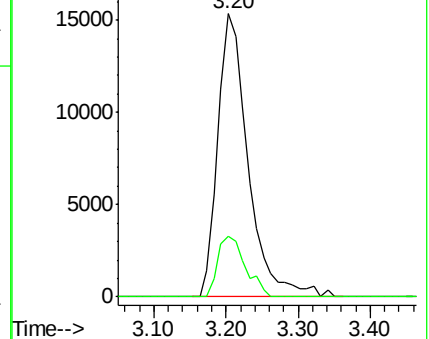
43 100

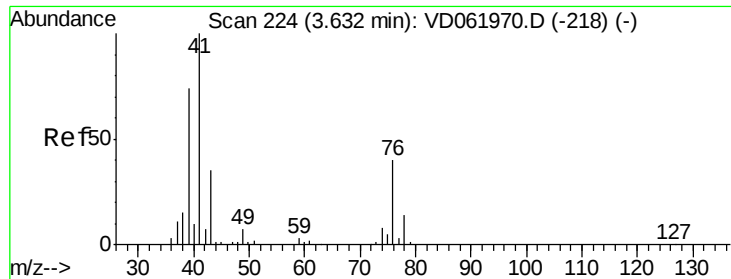
58 21.4 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

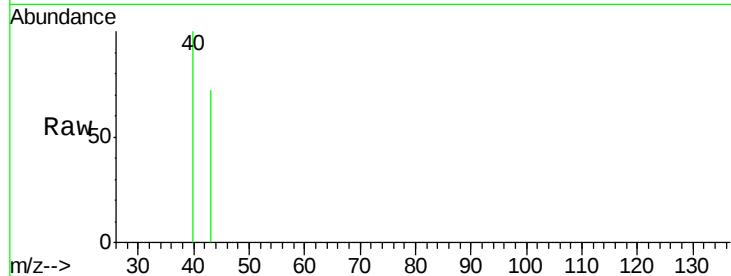




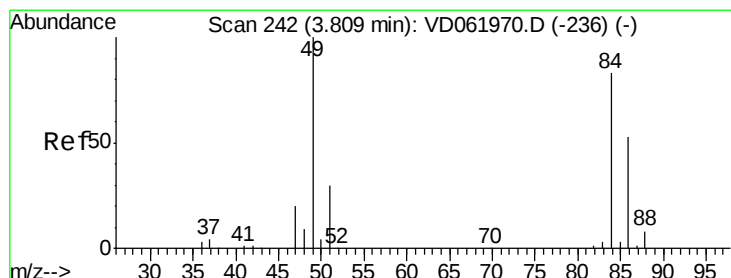
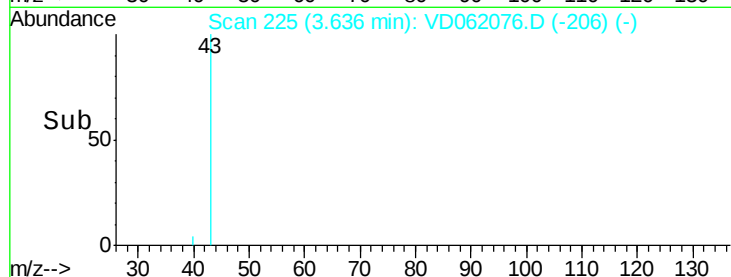
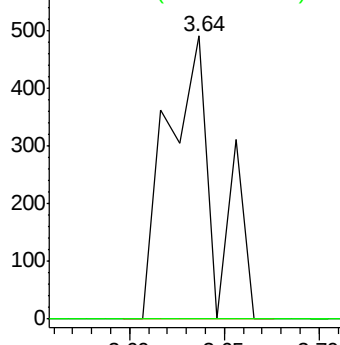
#18  
Methyl Acetate  
Concen: Below Cal  
RT: 3.64 min Scan# 225  
Delta R.T. -0.01 min  
Lab File: VD062076.D  
Acq: 29 Apr 2019 21:33

Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion: 43 Resp: 867  
Ion Ratio Lower Upper  
43 100  
74 0.0 18.0 27.0#

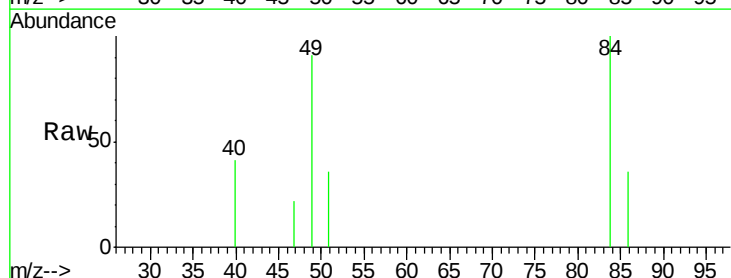


Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 74.00 (73.70 to 74.70): VDC

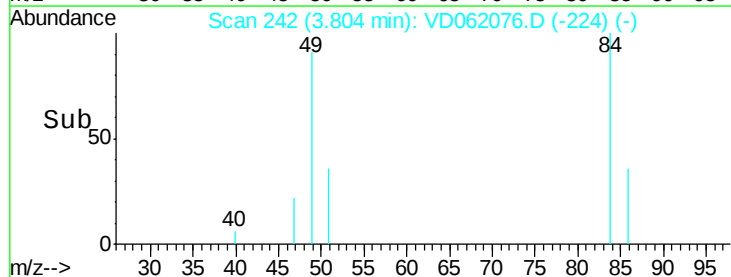
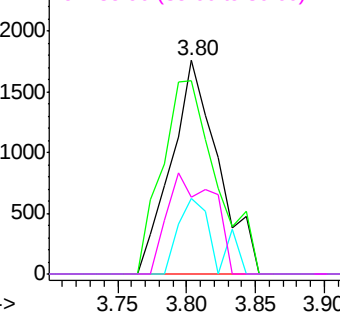


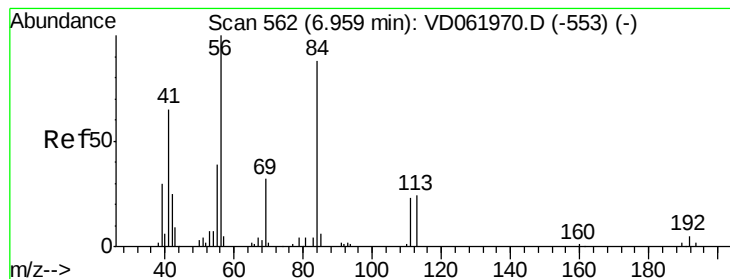
#20  
Methylene Chloride  
Concen: Below Cal  
RT: 3.80 min Scan# 242  
Delta R.T. -0.02 min  
Lab File: VD062076.D  
Acq: 29 Apr 2019 21:33

Tgt Ion: 84 Resp: 4163  
Ion Ratio Lower Upper  
84 100  
49 90.8 94.0 141.0#  
51 35.5 29.0 43.4  
86 35.9 49.8 74.6#



Abundance Ion 83.95 (83.65 to 84.65): VDC  
Ion 48.90 (48.60 to 49.60): VDC  
Ion 50.90 (50.60 to 51.60): VDC  
Ion 85.90 (85.60 to 86.60): VDC





#31

Cyclohexane

Concen: 1.373 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD062076.D

Acq: 29 Apr 2019 21:33

Instrument :  
MSVOA\_D  
ClientSampled :

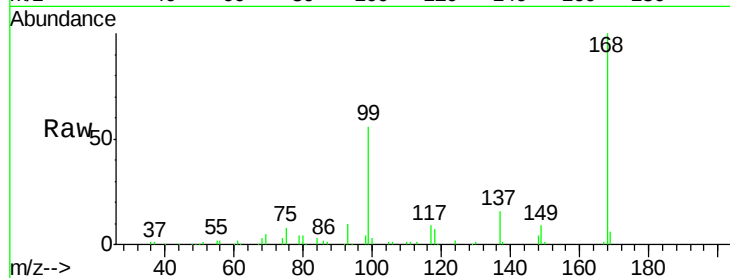
Tot Ion: 56 Resp: 8193

Ion Ratio Lower Upper

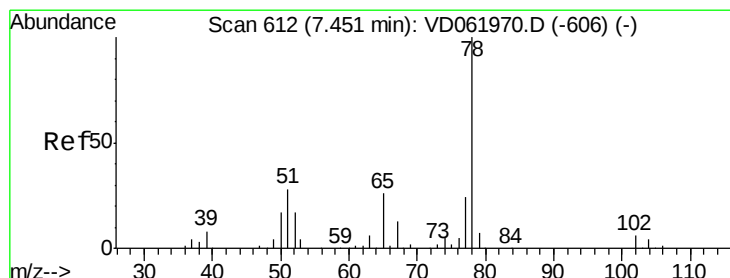
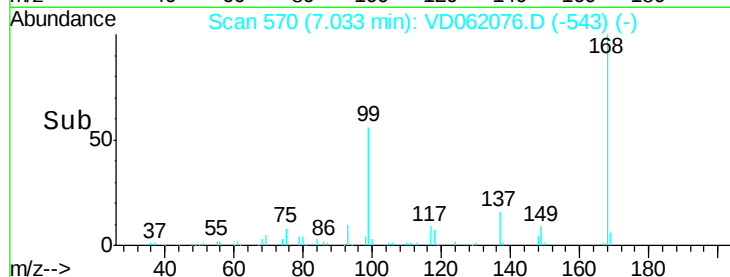
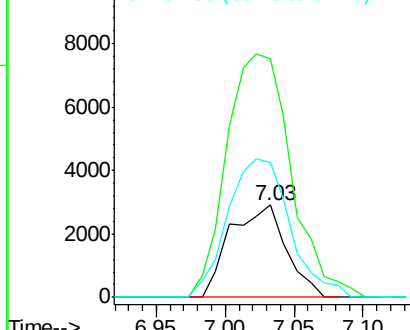
56 100

69 258.9 25.8 38.6#

84 146.2 72.2 108.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: 50.379 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062076.D

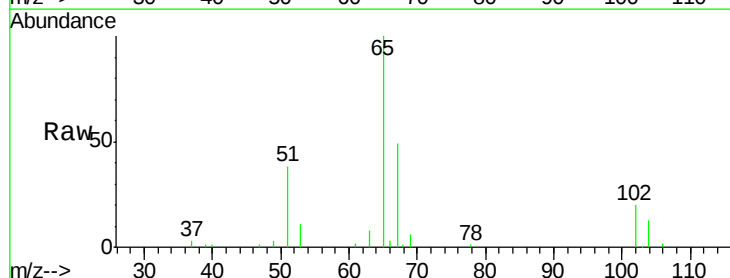
Acq: 29 Apr 2019 21:33

Tgt Ion: 65 Resp: 201755

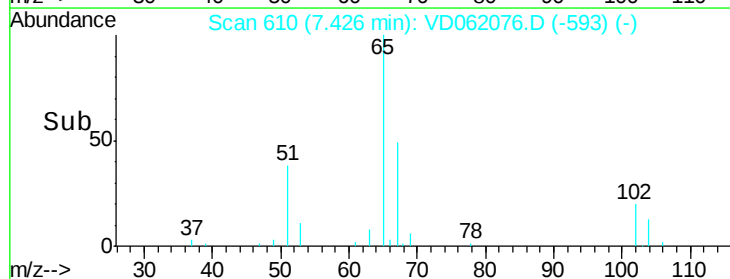
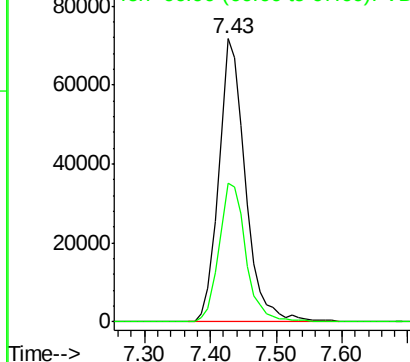
Ion Ratio Lower Upper

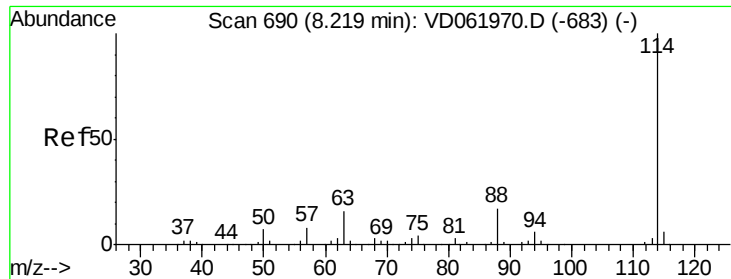
65 100

67 49.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC  
Ion 66.90 (66.60 to 67.60): VDC

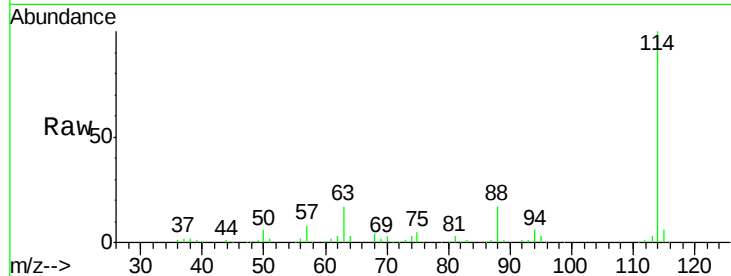




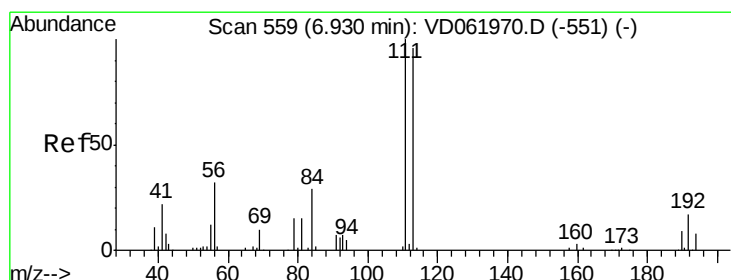
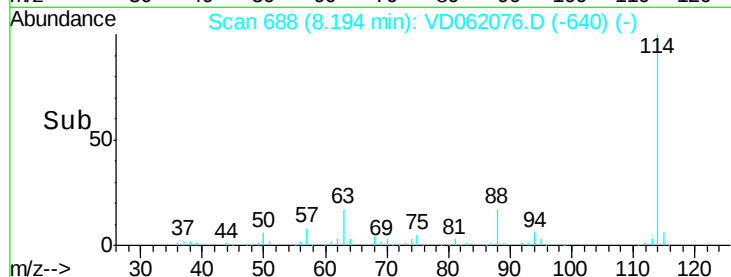
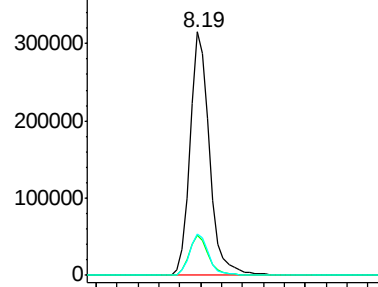
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.19 min Scan# 688  
 Delta R.T. -0.03 min  
 Lab File: VD062076.D  
 Acq: 29 Apr 2019 21:33

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tot Ion:114 Resp: 815328  
 Ion Ratio Lower Upper  
 114 100  
 63 16.7 0.0 32.4  
 88 17.1 0.0 33.6

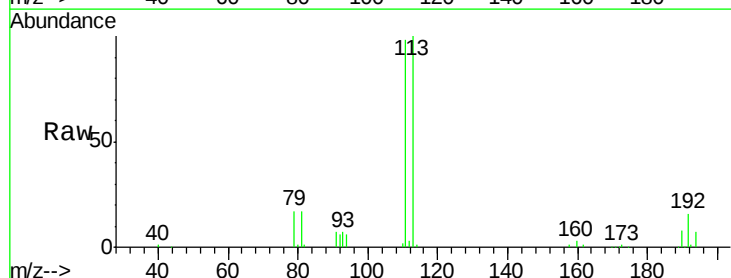


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): V  
 Ion 87.90 (87.60 to 88.60): V

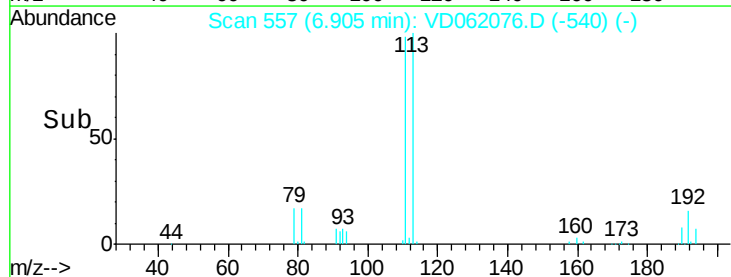
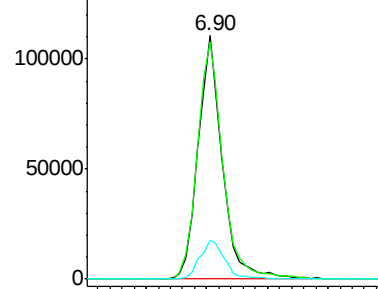


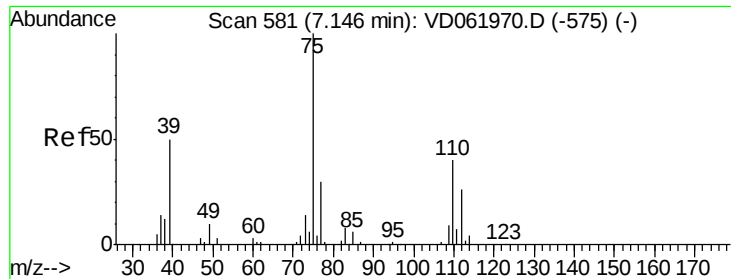
#35  
 Dibromofluoromethane  
 Concen: 54.281 ug/l  
 RT: 6.90 min Scan# 557  
 Delta R.T. -0.03 min  
 Lab File: VD062076.D  
 Acq: 29 Apr 2019 21:33

Tgt Ion:113 Resp: 306077  
 Ion Ratio Lower Upper  
 113 100  
 111 97.6 78.5 117.7  
 192 15.7 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 191.80 (191.50 to 192.50): V

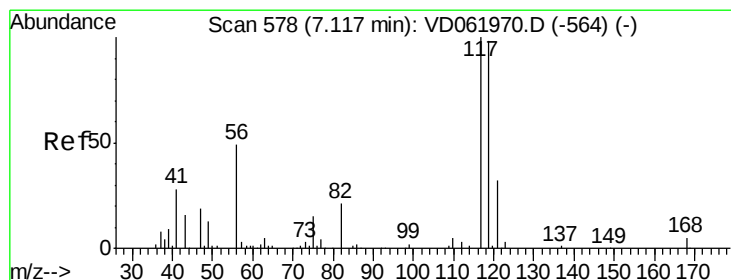
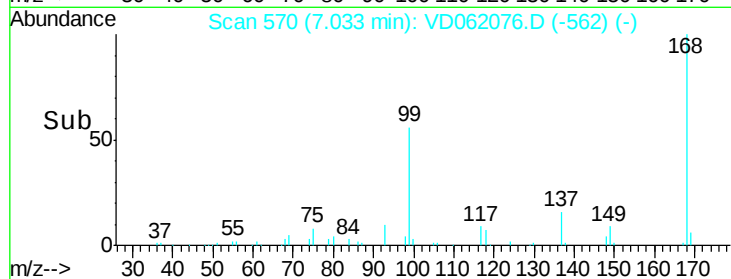
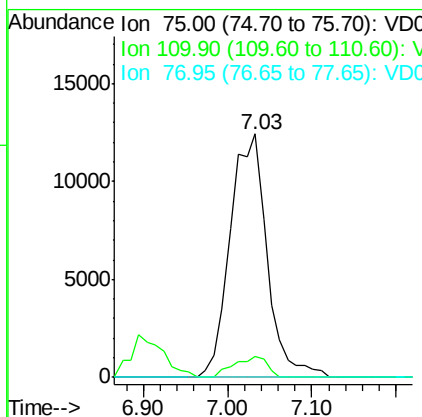
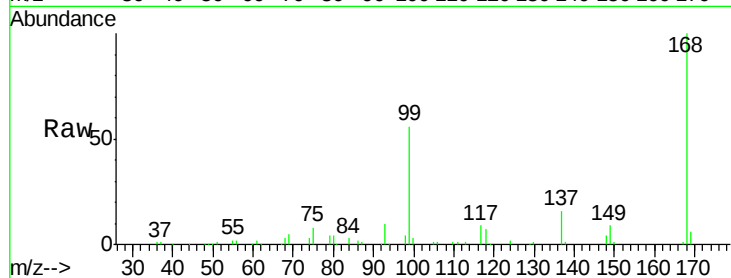




#36  
 1,1-Dichloropropene  
 Concen: 5.977 ug/l  
 RT: 7.03 min Scan# 570  
 Delta R.T. -0.12 min  
 Lab File: VD062076.D  
 Acq: 29 Apr 2019 21:33

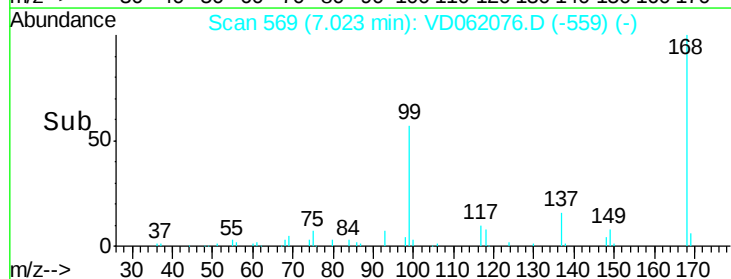
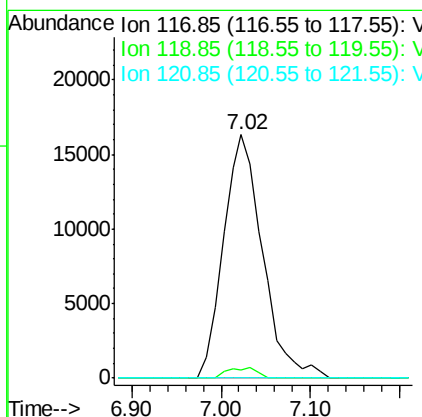
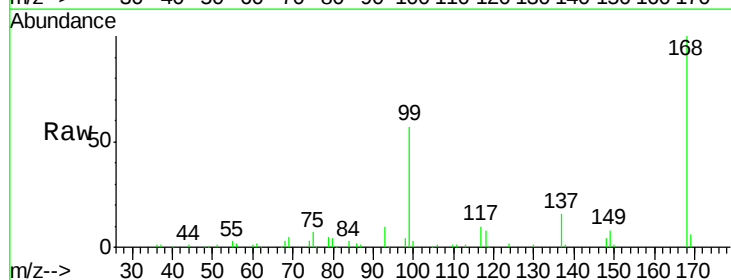
Instrument :  
 MSVOA\_D  
 ClientSampleId :

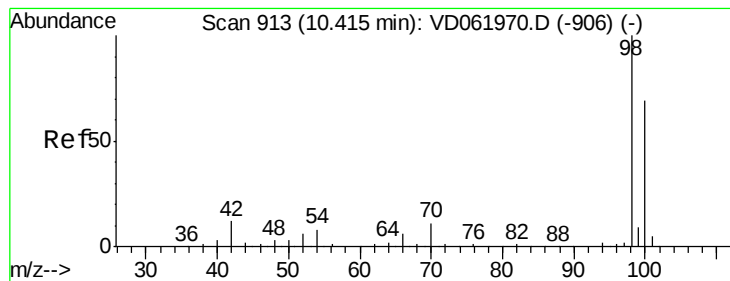
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.4   | 19.1  | 57.1# |
| 77      | 0.0   | 25.6  | 38.4# |



#38  
 Carbon Tetrachloride  
 Concen: 6.187 ug/l  
 RT: 7.02 min Scan# 569  
 Delta R.T. -0.10 min  
 Lab File: VD062076.D  
 Acq: 29 Apr 2019 21:33

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 3.4   | 75.8  | 113.8# |
| 121     | 0.0   | 25.9  | 38.9#  |





#50

Toluene-d8

Concen: 48.206 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.03 min

Lab File: VD062076.D

Acq: 29 Apr 2019 21:33

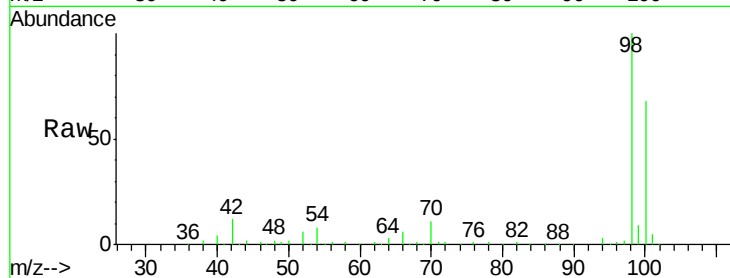
Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 98 Resp: 646804

Ion Ratio Lower Upper

98 100

100 68.2 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)

Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

10.39

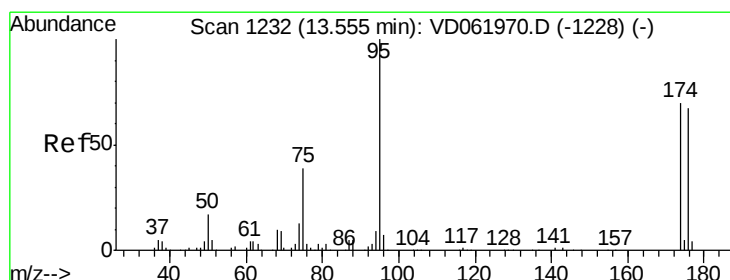
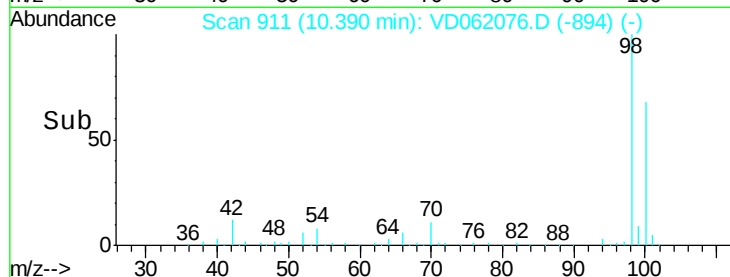
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 40.825 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD062076.D

Acq: 29 Apr 2019 21:33

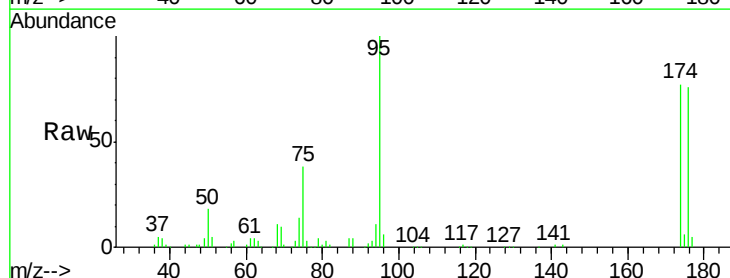
Tgt Ion: 95 Resp: 219707

Ion Ratio Lower Upper

95 100

174 76.8 0.0 181.8

176 75.8 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD061970.D (-1228) (-)

Ion 173.90 (173.60 to 174.60): VD061970.D (-1228) (-)

Ion 175.90 (175.60 to 176.60): VD061970.D (-1228) (-)

13.54

200000

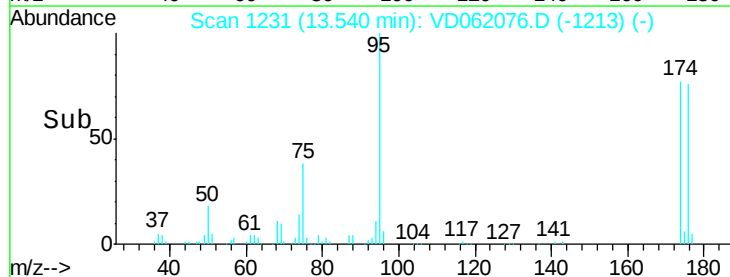
150000

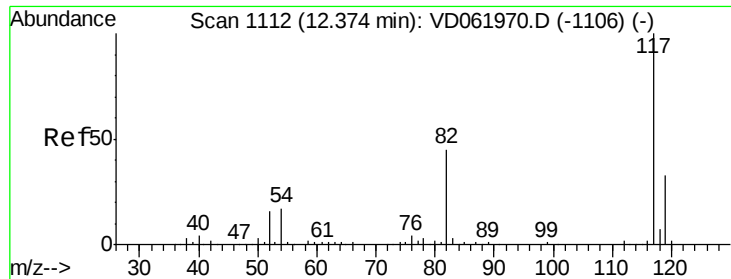
100000

50000

0

Time-->

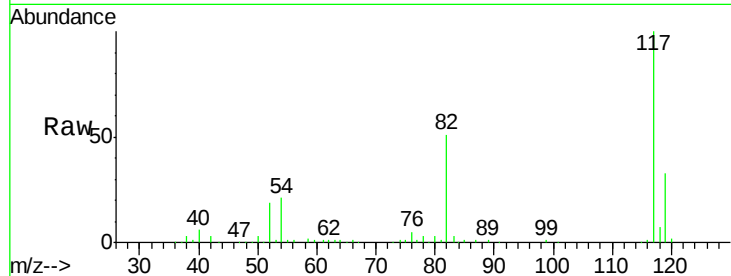




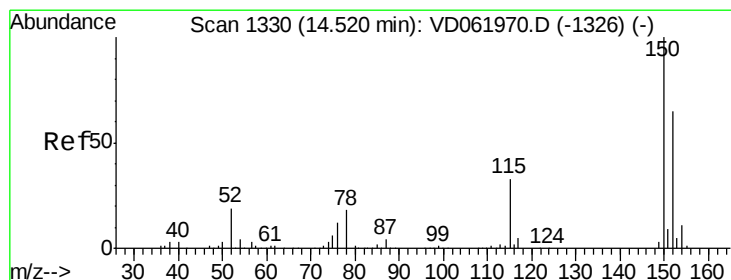
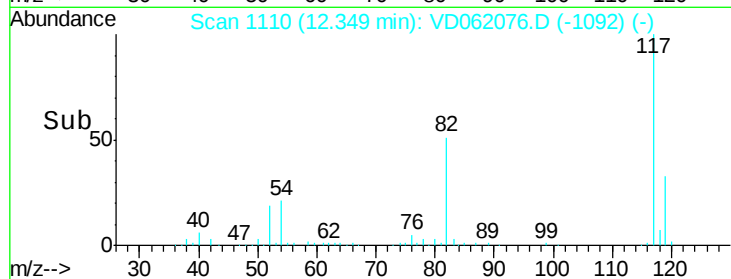
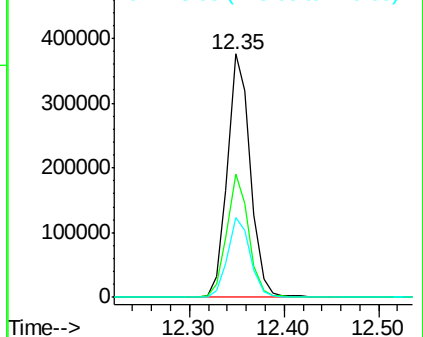
#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 12.35 min Scan# 1110  
 Delta R.T. -0.02 min  
 Lab File: VD062076.D  
 Acq: 29 Apr 2019 21:33

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tot Ion:117 Resp: 628765  
 Ion Ratio Lower Upper  
 117 100  
 82 50.8 36.2 54.2  
 119 32.6 26.2 39.4

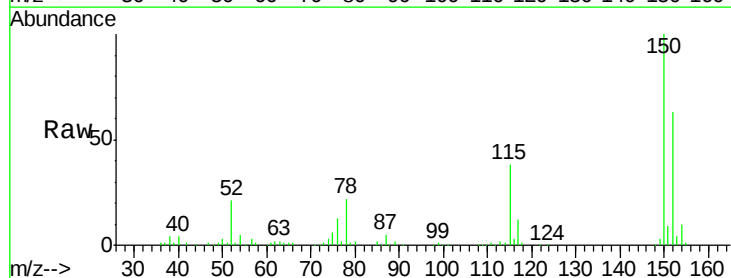


Abundance Ion 116.95 (116.65 to 117.65): V  
 Ion 82.05 (81.75 to 82.75): V  
 Ion 118.95 (118.65 to 119.65): V

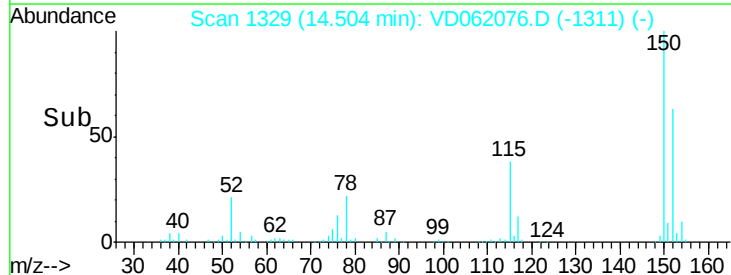
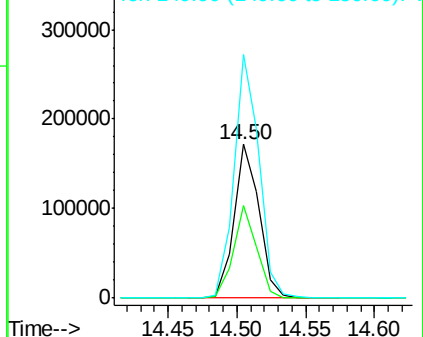


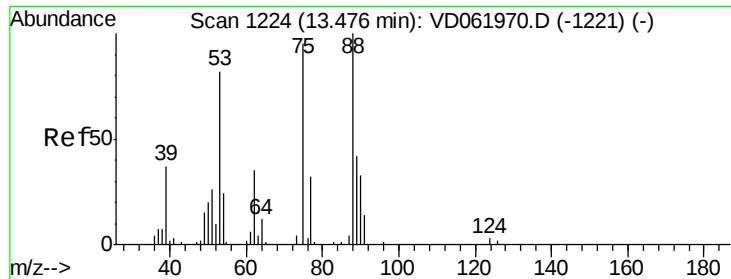
#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 14.50 min Scan# 1329  
 Delta R.T. -0.02 min  
 Lab File: VD062076.D  
 Acq: 29 Apr 2019 21:33

Tgt Ion:152 Resp: 217153  
 Ion Ratio Lower Upper  
 152 100  
 115 59.8 30.9 92.7  
 150 158.3 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V  
 Ion 115.00 (114.70 to 115.70): V  
 Ion 149.90 (149.60 to 150.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 101.586 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD062076.D

Acq: 29 Apr 2019 21:33

Instrument :

MSVOA\_D

ClientSampleId :

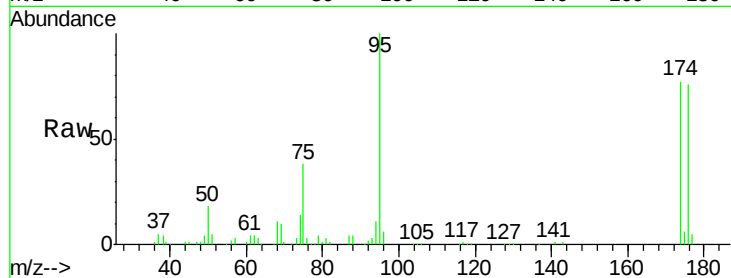
Tot Ion: 75 Resp: 84889

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC  
Ion 53.00 (52.70 to 53.70): VDC  
Ion 89.00 (88.70 to 89.70): VDC

